

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 04990.0043.US03		APPLICATION NO. 09/258,216	
		APPLICANT Soderlund, et al.			
		FILING DATE February 26, 1999		GROUP 1694-1655	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
LBA	AA1	4,656,127	4/7/87	Mundy	O I P E 435	6	
LBA	AB1	4,683,202	7/28/87	Mullis	435	6	
LBA	AC1	4,800,159	1/24/89	Mullis, et al.	JUN 23 1999 435	91,2	
LBA	AD1	4,840,892	6/20/89	Adams	435	6	
LBA	AE1	4,851,331	7/25/89	Vary, et al.	PATENT & TRADEMARK OFFICE 435	6	
LBA	AF1	4,863,849	9/5/89	Melamede	435	6	
LBA	AG1	5,310,893	5/10/94	Erlich	435	6	

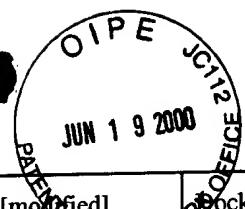
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
LBA	AH1	237,362	9/16/87	Europe			
	AI1	332,435	3/9/89	Europe			
	AJ1	333,465	3/15/89	Europe			
	AK1	329,822	8/30/89	Europe			
	AL1	357,011	8/30/89	Europe			
	AM1	332,435	9/13/89	Europe			
	AN1	336,731	10/11/89	Europe			
	AO1	370,694	11/16/89	Europe			
	AP1	371437A3	11/28/89	Europe			
	AQ1	412,883	3/13/91	Europe			
	AR1	WO89/09835	10/19/89	PCT			
	AS1	WO90/09455	8/23/90	PCT			
	AT1	WO90/11372	10/4/90	PCT			
	AU1	WO89/10414	11/2/90	PCT			
	AV1	0297379	1/4/89	PCT			
	AW1	0899282	3/22/90	PCT			
	AX1	123,513	4/18/84	Europe			
LBA	AY1	329,311	8/23/89	Europe			
	AZ1						

EXAMINER <i>Liz B. Allen</i>	DATE CONSIDERED <i>9/25/00</i>
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			ATTY. DOCKET NO. 04990.0043.US03	APPLICATION NO. 09/258,216
<u>FORM PTO-1449</u> <u>INFORMATION DISCLOSURE STATEMENT</u>			APPLICANT Soderlund, et al.	
			FILING DATE February 26, 1999	GROUP 1654 1655
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)				
LBA	AA	2	Antonarakis, "Diagnosis of Genetic Disorders at the DNA Level," <i>N. Engl. J. Med.</i> , 320 : 153-63 (1989).	
LBA	AB	2	Bos, et al., "Prevalence of ras Gene Mutations in Human Colorectal Cancers," <i>Nature</i> 327 : 293-297 (1987).	
LBA	AC	2	Farr, et al., "Analysis of RAS Gene Mutations in Acute Myeloid Leukemia by Polymerase Chain Reaction and Oligonucleotide Probes," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 85 : 1629-33 (1988).	
LBA	AD	2	Rall, S.C. Jr., et al., "Type III hyperlipoproteinemia associated with apolipoprotein E phenotype E3/3. Structure and genetics of an apolipoprotein E3 variant," <i>J. Clinical Investigation</i> , 83 : 1095-1101 (1989).	
LBA	AE	2	Kerem, et al., "Identification of the Cystic Fibrosis Gene: Genetic Analysis," <i>Science</i> 245 : 1073-1080 (1989).	
LBA	AF	2	Kleppe, et al., "Studies on Polynucleotides," <i>J. Mol. Biol.</i> , 56 : 341-61. —	
LBA	AG	2	Mahley, "Apolipoprotein E: Cholesterol Transport Protein with Expanding Role in Cell Biology," <i>Science</i> , 240 : 622-630 (1988).	
LBA	AH	2	McLean, et al., "Human Apolipoprotein E mRNA..." <i>J. Biol. Chem.</i> 259 : 6498-6504 (1984).	
LBA	AI	2	McMahon, et al., "Characterization of c-Ki-RAS Oncogene..." <i>Proc. Natl. Acad. Sci. USA</i> , 84 : 4974-4978 (1987).	
LBA	AJ	2	Morel, et al., "Aspartic Acid at Position 57 of the HLA-DQ B Chain Protects Against Type I Diabetes: A Family Study," <i>Proc. Natl. Acad. Sci. USA</i> , 85 : 8111-8115, (1988).	
LBA	AK	2	Mullis and Falona, "Specific Synthesis of DNA in vitro vs. Polymerase Catalyzed" <i>Chem. Reaction Meth. In Enzymol.</i> 155 : 335 (1987).	
LBA	AL	2	Mullis, "The Unusual Origin of the Polymerase Chain Reaction," <i>Sci. Am.</i> , April 1990 : 56-65.	
LBA	AM	2	Scharf, et al., "HLA Class II Allelic Variation and Susceptibility to Pemphigus Vulgaris," <i>Proc. Natl. Acad. Sci. USA</i> , 85 : 3504-3508 (1988).	
LBA	AN	2	Syvanen, et al., "A primer-guided nucleotide incorporation assay in the genotyping of apolipoprotein E," <i>Genomics</i> 8 : 684-692 (1990).	
LBA	AO	2	Thomson, "HLA Disease Associations: Models for Insulin Dependent Diabetes Mellitus on the Study of Complex Human Genetic Disorders," <i>Annu. Rev. Genet.</i> 22 : 31-50 (1988).	
	AP	2		
	AQ	2		
	AR	2		
	AS	2		
	AT	2		
	AU	2		
EXAMINER	<i>Kris B. Adler</i>		DATE CONSIDERED 9/25/00	
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Form PTO-1449 (Rev. 10-92) [modified]									Socket No.: 13025-5	Application No.: 09/258,216	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(use several sheets if necessary)</i>									Applicants: Soderlund et al.		
									Filing Date: 02/26/99	Group Art Unit: 1634 - 1655	

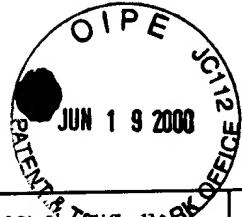
U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME		CLASS	SUB-CLASS	FILING DATE
LBA	4	3	0	7	1	8	9		12/22/81	Kit		435	6	
LBA	4	5	6	3	4	1	9		01/07/86	Ranki et al.		435	6	
LBA	4	6	8	3	1	9	5		07/28/87	Mullis et al.		435	6	
LBA	4	8	8	3	7	5	0		11/28/89	Whiteley et al.		435	6	
LBA	4	9	6	2	0	2	0		10/09/90	Tabor et al.		435	4	
LBA	4	9	6	8	6	0	2		11/06/90	Dattagupta		435	6	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
												YES	NO
LBA	2	2	0	2	3	2	8	09/21/88	Great Britain				
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LBA	8	9	0	9	2	8	2	10/05/89	WIPO				
LBA	8	9	1	0	4	1	4	11/02/89	WIPO				
LBA	9	0	0	1	0	6	9	02/08/90	WIPO				
LBA	9	0	0	6	0	4	2	06/14/90	WIPO				
LBA	9	0	1	1	3	7	2	10/04/90	WIPO				
LBA	0	2	3	8	3	3	2	09/23/87	Euro. Patent Office				
LBA	0	2	4	6	8	6	4	11/25/87	Euro. Patent Office				
LBA	0	2	8	8	7	3	7	11/02/88	Euro. Patent Office				

EXAMINER: <i>Lisa B. Adler</i>	DATE CONSIDERED: <i>9/25/00</i>
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									Filing Date: 02/26/99	Group Art Unit: 1634- 1655

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LBA	0	3	5	7	0	1	1	03/07/90	Euro. Patent Office	—	—	—
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OTHER DOCUMENTS

(including Author, Title, Date, Pertinent Pages, Etc.)

LBA	Syvanen et al., "Direct Sequence of Affinity-Captured Amplified Human DNA Application to the Detection of Apolipoprotein E Polymorphism", FEBS Letters, 258:71-74 (1989).
LBA	Syvanen et al., "Quantification of Polymerase Chain Reaction Products by Affinity-Based Hybrid Collection," Nucleic Acids Research, 16:11327-11339 (1988).
LBA	Ballabio et al., "PCR Test for Cystic Fibrosis Deletion", Nature, 343:220 (1990).
LBA	Grimberg et al., "A Simple and Efficient Non-Organic Procedure for the Isolation of Genomic DNA From Blood", Nucleic Acids Research, 17:8390 (1989).
LBA	Signer et al., "DNA Fingerprinting: Improved DNA Extraction From Small Blood Samples", Nucleic Acids Research, 16:7738 (1988).
LBA	Signer et al., "Modified Gel Electrophoresis for Higher Resolution of DNA Fingerprints", Nucleic Acids Research, 16:7739 (1988).
LBA	Mitchell et al., "Affinity Generation of Single Stranded DNA Following the Polymerase Chain Reaction: Application to Dideoxy Sequencing", WH 214 Journal of Cellular Biochemistry Supp. 13E 18 th Annual Meeting (1989).

EXAMINER: <i>Lise B. Adler</i>	DATE CONSIDERED: <i>9/25/00</i>
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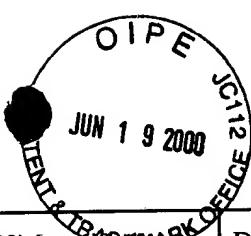
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Form PTO-1449 (Rev. 10-92) [modified] <i>REMARKS</i>		Docket No.: 13025-5	Application No.: 09/258,216
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(use several sheets if necessary)</i>		Applicants: Soderlund et al.	
		Filing Date: 02/26/99	Group Art Unit: 1634 1655

<i>LBA</i>	Smith, "DNA Sequence Analysis by Primed Synthesis", Methods in Enzymology, 65:560-581 (1980).
<i>LBA</i>	Kuppuswamy et al., "A New Use of Polymerase Chain Reaction (PCR) in Carrier Detection of Hemophilia-B Due to Point Mutations", Blood, The Journal of the American Society of Hematology, Thirty-First Annual Meeting of the American Society of Hematology, 74:957 (1989).
<i>LBA</i>	Rommens et al., "Identification of the Cystic Fibrosis Gene: Chromosome Walking and Jumping", Science, 245:1059-1065 (1989).
<i>LBA</i>	Riordan et al., "Identification of the Cystic Fibrosis Gene: Cloning and Characterization of Complementary DNA", Science, 245:1066-1072 (1989).
<i>LBA</i>	Wu et al., "Allele-specific Enzymatic Amplification of β -Globin Genomic DNA for Diagnosis of Sickle Cell Anemia", Proc. Natl. Acad. Sci. USA, 86:2757-2760 (1989).
<i>LBA</i>	Newton et al., "Analysis of Any Point Mutation in DNA. The Amplification Refractory Mutation System (ARMS)", Nucleic Acids Research, 17:2503-2516 (1989).
<i>LBA</i>	Ehlen et al., "Detection of Ras Point Mutations by Polymerase Chain Reaction Using Mutation-Specific Inosine-Containing Oligonucleotide Primers", Biochemical and Biophysical Research Communications, 160: 441-447 (1989).
<i>LBA</i>	Nassal et al., "PCR-Based Site-Directed Mutagenesis Using Primers With Mismatched 3' - Ends", Nucleic Acids Research, 18:3077-3078 (1990).
<i>LBA</i>	Caskey et al., "Disease Diagnosis by Recombinant DNA Methods", Science, 236:1223-1228 (1987).
<i>LBD</i>	Landegren et al., "DNA Diagnostics - Molecular Techniques and Automation", Science, 242:229-237 (1988).
<i>LBA</i>	Rossiter et al., "Molecular Scanning Methods of Mutation Detection", The Journal of Biological Chemistry, 265:12753-12756 (1990).
<i>LBA</i>	Spitzer et al., "Replacement of Isoleucine-397 by Threonine in the Clotting Proteinase Factor IXa (Los Angeles and Long Beach Variants) Affects Macromolecular Catalysis but not L-tosylarginine Methyl Ester Hydrolysis", Biochem. J. 265: 219-225 (1990).

EXAMINER: <i>Theresa B. Cullen</i>	DATE CONSIDERED: <i>9/25/00</i>
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LBA	Kuppuswamy et al., "Single Nucleotide Primer Extension to Detect Genetic Diseases: Experimental Application to Hemophilia B (factor IX) and Cystic Fibrosis Genes", Proc. Natl. Acad. Sci. USA, 88:1143-1147 (1991).
LBD	Prober et al., "A System for Rapid DNA Sequencing With Fluorescent Chain-Terminating Dideoxynucleotides", Science, 238:336-341 (1987).
LBA	Landegren et al., "A Ligase-Mediated Gene Detection Technique", Science, 241:1077-1080 (1988).
LBA	Syvanen et al., "Direct Sequencing of Affinity-Captured Amplified Human DNA Application to the Detection of Apolipoprotein E Polymorphism" , FEBS Letters, 258:71-74 (1989).
LBA	Mikita et al., "Functional Consequences of the Arabinosylcytosine Structural Lesion in DNA", Biochemistry, 27:4698-4705 (1988).
	Wu et al., "Allele-Specific Enzymatic Amplification of β-Globin Genomic DNA for Diagnosis of Sickle Cell Anemia" , Proc. Natl. Acad. Sci. USA, 86:2757-2760 (1989).
LBA	Mullis et al., "Specific Synthesis of DNA in Vitro Via a Polymerase-Catalyzed Chain Reaction", Methods in Enzymology, 155:335-351 (1987).
LBA	Spitzer et al., "Molecular Defect in Factor IX _{Bm Lake Elsinore} ", The Journal of Biological Chemistry, 263:10545-10548 (1988).
LCA	Ware et al., "Genetic Defect Responsible for the Dysfunctional Protein: Factor IX _{Long Beach} ", Blood, 72:820-822 (1988).

EXAMINER <i>Lisa B Allen</i>	DATE CONSIDERED: 9/25/00
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